

GAMBURG, R.L., doktor meditsinskikh nauk.

Pneumonia in children. Zdorov'e 3 no.4:14-15 Ap '57
(MLRA 10:5)

(PNEUMONIA)

GAMBURG, R.L.

"Chronic pneumonia in children" by A.M.Kropachev. Reviewed by R.L.
Gamburg. Pediatria no.8:88-89 Ag '57. (MIRA 10:12)
(PNEUMONIA) (KROPACHEV, A.M.)

GAMBURG, R.L.

ARUTYUNOV, V.Ya., prof.; BERKOVICH, I.M., doktor med.nauk; BUNIN, K.V., prof.
 VELIKORETSKIY, A.N., prof.; GAMBURG, R.L., doktor med.nauk; GLASKO,
 N.M.; ZVYAGINTSEVA, S.G., doktor med.nauk; IVENSKAYA, A.M., kand.med.
 nauk; KALUGINA, A.N., kand.med.nauk; KAMINSKAYA-PAVLOVA, Z.A., prof.
 KVATER, Ye.I., prof.; KOLIN'KO, A.B., prof.; KOSSYURA, M.B., kand.
 med.nauk; KRAVETS, E.M., doktor med.nauk; KRISTMAN, V.I., kand.med.
 nauk; KRUZHKOV, V.A., dotsent; LIKHACHEV, A.G., prof.; LUKCHSKIY, I.G.,
 prof.; MASHKOVSKIY, M.D., prof.; ROZENTAL', A.S., prof.; SEREYSKIY,
 M.Ya. [deceased], prof.; TURETSKIY, M.Ya., kand.med.nauk; KHESIN,
 Ye.Ye., dotsent; EMDINA, Kh.L., kand.med.nauk; SHABANOV, A.N., prof.;
 red.; BONDAR', Z.A., red.; ZAKHAROVA, A.I., tekhn.red.

[Medical handbook for feldshers] Meditsinskii spravochnik dlia
 fel'dsherov. Izd. 6-oe, perer. i dop. Moskva, Gos. izd-vo med.
 lit-ry, 1957. 899 p. (MIRA 10:12)
 (MEDICINE--HANDBOOKS, MANUALS, ETC.)

GAMBURG, R.I., doktor meditsinskikh nauk

"Rheumatic fever in children and measures for its control" by
N.P.Savvatimskaja, Z.I.Edel'man. Pediatriia no.3:82 Mr '57.
(RHEUMATIC FEVER) (MIRA 10:10)
(SAVVATIMSKAJA, N.P.) (EDEL'MAN, Z.I.)

GAMBURG, R.L., doktor med.nauk (Moscow)

Pneumonia in younger children. Med.sestra 17 no.8:19-24 Ag '58
(MIRA 11:8)

(PNEUMONIA)

SPERANSKIY, G.N., prof.; GAMBURG, R.L., doktor med.nauk; MATVEYEV, M.P., dots.

Clinical and laboratory observations on use of adrenocorticotrophic hormone and cortisone in rheumatic fever in children [with summary in English]. *Pediatrics* 37 no.1:16-25 Ja '59. (MIRA 12:1)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR prof. G.N. Speranskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva) na baze Detskoy bol'nitsy im F.E. Dzerzhinskogo (glavnyy vrach A.N. Kudryasheva).

(RHEUMATISM, in inf. & child

ther., ACTH & cortisone, comparisons (Rus))

(ACTH, ther. use

rheum. in child., comparison with cortisone (Rus))

(CORTISONE, ther. use

rheum. in child., comparison with ACTH (Rus))

SPERANSKIY, G.N., prof., Geroy Sotsialisticheskogo Truda, red.; GAMBURG,
R.L., doktor med.nauk, red.; IQMATOVA, M.S., red.

[Current problems of rheumatic fever in children] Aktual'nye
voprosy revmatizma u detei. Pod red. G.N.Speranskogo i R.L.
Gamburg. Moskva, M-vo zdravookhraneniia SSSR, 1960. 173 p.
(MIRA 13:10)

1. Moscow. Tsentral'nyy institut usovershenstvovaniya vrachey.
2. Deystvitel'nyy chlen AMN SSSR (for Speranskiy).
(RHEUMATIC FEVER)

GAMBURG, R.L., doktor med.nauk; SOLOMATINA, O.G., kand.med.nauk

Use of hormonal preparations in active rheumatic phases in children.
Sov.med. 25 no.4:63-67 Ap '61. (MIRA 14:6)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR
prof. G.L.N.Speranskiy) Tsentral'nogo instituta usovershenstvovaniya
vrachey (dir. M.D.Kovrigina).
(ADRENOCORTICAL HORMONES) (RHEUMATIC FEVER)

GAMBURG, R.L.

History of and prospects for the development of pediatric cardiology. Vop. okh. mat. i det. 7 no.5:10-15 My '62. (MIRA 15:6)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR G.N. Speranskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D. Kovrigina).
(CARDIOLOGY)

GAMBURG, R.L., prof.

Atypical course of some forms of infectious polyarthritis in
children. *Pediatrics* 41 no.5:33-38 May '62. (MIRA 15:5)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR
prof. G.M. Speranskiy) Tsentral'nogo instituta usovershenstvo-
vaniya vrachey (rektor M.D. Kovrigina) na baze Detskoy bol'nitsy
No.9 (glavnyy vrach A.N. Kudryasheva).
(ALLERGY) (ARTHRITIS)

SAMBURG, R.L., prof.

Compound treatment in pediatrics. *Pediatrics* 41 [1.e.42] no.2:
65-68 F '63. (MIRA 16:4)

1. Iz kafedry pediatrii Tsentral'nogo instituta usovershenstvovaniya vrachey.

(PEDIATRICS)

DOMBROVSKAYA, Yu.F., prof. otv. red.; ZVYAGINTSEVA. S.G., prof.
red.; SOKOLOVA, T.S., prof., red., GAMBURG, R.L., prof., red.

[Current problems of the physiology and pathology of
childhood] Sovremennye problemy fiziologii i patologii
detskogo vozrasta. Moskva, Meditsina, 1965. 317 p.
(MIRA 18:6)

1. Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya).

GAMBURG, R.L.; IGNATOVA, M.S.; PREOBRAZHenskAYA, K.N.

Antibiotics in the treatment of diffuse glomerulonephrites in children.
Antibiotiki 10 no.6:551-554 Je '65. (MIRA 18:7)

1. Kafedra pediatrii (zav. - prof. R.L. Gamburg) Tsentral'nogo
instituta usovershenstvovaniya vrachey, Moskva.

GAMBURG, S.

New hypothesis on the origin of planets. IUn. tekhn. 7 no.10:
42-47 0 '62. (MIRA 15:10)

(Planets)

GAMBURG, S. S.

3
4.5
15
✓ 2091. Determination of the amount of plastic and non-plastic materials in ceramic bodies. S. S. GAMBURG (Glass & Ceramics, Moscow, 14, No. 3, 27, 1957). In Russian. Content of plastic materials is calculated from the losses on ignition, generated by plastic materials and calculated losses on ignition. The non-plastic content is found by subtracting from 100%. An example is given. (1 table.)

PM Rang

~~GAMBURG S.S.~~

Some new regularities in the systems of planets and their satellites.
Biul.VAGO no.26:49-55 '60. (MIRA 13:10)

1. Moskovskoye otdeleniye Vsesoyuznogo astronomo-geodesicheskogo
obshchestva.
(Planets, Theory of)

GAMBURG, V.P.

Study of the properties of a serum inhibitor of influenza virus
type 2. Vop.virus. 5 no.3:334-339 My-Je '60. (MIRA 13:9)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh
preparatov im. L.A. Tarasevicha, Moskva.
(INFLUENZA)

GAMBURG, V. P.; technical assistance: SPEKTOR, N. M.

Haemagglutination inhibitor and neutralizing factor of A2 influenza virus in sera. Acta virol.Engl.Ed.Praha 5 no.5:317-324 S '61.

1. Influenza and Measles Laboratory of the Tarasevich State Control Institute of Medical Biological Preparations, Moscow.

(INFLUENZA VIRUSES immunol)
(HEMAGGLUTINATION)

GAMBURG, V.P.; SVET-MOLDAVSKIY, G.Ya., doktor med.nauk

Quantitative aspect of the interaction between tumors and
infectious viruses. Vop. onk. 11 no.4:72-77 '65.

(MIRA 18:8)

1. Iz laboratorii virusologii (zav. - doktor med.nauk G.Ya.Svet-
Moldavskiy) Instituta eksperimental'noy i klinicheskoy onkologii
AMN SSSR (direktor - deystvitel'nyy chlen AMN SSSR prof. N.N.
Blokhn).

SVETLOVA, G.Ya.; GAMBURG, V.F.

Artificial heterogenization of malignant tumors as the
second principle of the immunological treatment of tumors.
Biol. eksp. biol. i med. 60 no.9:85-88 S '65. (MIRA 18:10)

1. Institut eksperimental'noy i klinicheskoy onkologii (dir. --
dayatvitel'nyy chlen AMN SSSR N.N. Blokhin) AMN SSSR, Moskva.

GAMBERG, V.V.

The ZA509 automatic machine unit for machining track pins. Biul.
tekh.-ekon.inform. no.8:19-20 '60. (MIRA 13:9)
(Drilling and boring machinery)

23

CA

Methods for the processing of flannel to shoddy. Ya. Yu. Hamburg. *Sherstyanoe Delo* 17, No. 2, 72-5 (1938); *Chem. Zentr.* 1938, II, 1514.—Soaking the rags in olein has a very favorable effect on the production of longer fibers in the shoddy. After removal of dust and dampening, the flannel rags are sprayed at 30° with 10% of pure olein and allowed to stand in bags at 18-20° for 48 hrs. They are then treated again with 2% olein and allowed to stand 2 hrs. From materials so treated fibers are obtained having an av. length of 17.2 mm. as compared with fibers having a max. length of 12-13 mm. obtained from untreated material.

M. G. Moore

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GAMBURG, Ya.Yu.; POPOV, V.A., inzhener po izobretatel'stvu.

Improving the drawing-off of edge thread. Tekst.prom.14 no.2:53-54
P '54. (MLRA 7:5)

1. Glavnyy inzhener fabriki "Proletarskaya podeda" (for Gamburg).
(Weaving)

GAMBURG, Yakov Yul'yevich; ZELIKMAN, Izrail' Khatskelevich; NIKITIN, I.M.,
retsensent; GUSEVA, Ye.M., redaktor; MEDVEDEVA, L.A., tekhnicheskii
redaktor

[Design, assembly, repair, and adjustment of carding machines in the
production of cloth] Ustroistvo, montazh, remont i naladka kardo-
chesal'nykh apparatov sukhonogo proizvodstva. Izd. 2-oe, ispr. i
dop. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva tekstil'noi
promyshl. SSSR, 1956. 169 p. (MLRA 9:10)
(Carding machines)

GAMBURG, Ya.Yu.

Significant changes at the "Proletarskaya Pobeda" factory.
Tekst.prom.17 no.11:71 N '57. (MIRA 10:12)

1. Glavnyy inzhener fabriki "Proletarskaya pobeda."
(Textile fabrics)

KOVALEV, F.L., kand.tekhn.nauk, red.; GAMBURG, Ya.Yu., retsenzent; .
FORMAL'SKIY, M.I., retsenzent; KISELEV, M.A., retsenzent; PLEMYANNIKOV,
M.N., red.; SOKOLOVA, V.Ye., red.; LIOZNOV, A.G., red.; KHAKNIN,
M.T., tekhn.red.

[Manual on wool spinning] Spravochnik po sherstopriadeniiu.
Pod red. F.L.Kovaleva. Izd.2., perer. i dop. Moskva, Izd-vo
nauchno-tekhn.lit-ry RSFSR, 1960. 785 p.

(MIRA 13:12)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut
sherstyanoy promyshlennosti.

(Woolen and worsted spinning)

GAMBURG, Ye.Yu.; YURTSEV, I.I.

Important problems in construction. Avtom., telem. i svyaz' 9
no.5:5-7 My '65. (MIRA 18:5)

1. Nachal'nik otdela kapital'nogo stroitel'stva Glavnogo upravleniya signalizatsii i svyazi Ministerstva putey soobshcheniya (for Gamburg). 2. Nachal'nik tekhnicheskogo otdela Glavnogo upravleniya po elektrifikatsii zheleznnykh dorog Ministerstva transportnogo stroitel'stva SSSR (for Yurtsev).

KAPLAN, Pafael' Markovich, kand.tekhn.nauk; VAVILIN, Dmitriy Vasil'yevich,
inzh.-mekh.; GAMBURG, Yefim Moiseyevich, inzh.-mekh.; SHVIDKO, Z.,
red.; NAGIBIN, P., tekhn.red.

[Mechanization of production processes on dairy farms] Mekhani-
zatsiya proizvodstvennykh protsessov na MTF. Alma-Ata, Kazakhskoe
gos. izd-vo, 1958. 172 p. (MIRA 11:12)
(Dairying) (Farm equipment)

GAMBURG, Y. Yu.

BRYLEYEV, A.M., laureat Stalinskoy premii, inzhener; GAMBURG, Y. Yu., inzhener, retsensent; GOLOVKIN, M.K., inzhener, retsensent; KAZAKOV, A.A., kandidat tekhnicheskikh nauk, retsensent; KUT'IN, I.M., dotsent, kandidat tekhnicheskikh nauk, retsensent; LEONOV, A.A., inzhener, retsensent; SEMENOV, N.M., laureat Stalinskoy premii, inzhener, retsensent; CHERNYSHEV, V.B., inzhener, retsensent; VALUYEV, G.A., inzhener, retsensent; METTAS, N.A., laureat Stalinskoy premii, inzhener, retsensent; KOVIKOV, V.A., dotsent, retsensent; PIVOVAROV, A.L., inzhener, retsensent; POGODIN, A.M., inzhener, retsensent; KHODOROV, L.R., inzhener, retsensent; PIVOVAROV, A.L., inzhener, retsensent; POGODIN, A.M., inzhener, retsensent; KHODOROV, L.R., inzhener, retsensent; SHUPLOV, V.I., kandidat tekhnicheskikh nauk, retsensent; KLYKOV, A.F., inzhener, retsensent; YUDZON, D.M., tekhnicheskii redaktor; VERINA, G.P., tekhnicheskii redaktor.

[Technical handbook for railroad men] Tekhnicheskii spravochnik shellesnodorozhnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiia, tsentralizatsiia, blokirovka, svias'. Red. kollegiia A.F. Baranov [1 dr.] Glav. red. E.F. Rudoi. Moskva, Gos. transp. zhel-dor. izd-vo, 1952. 975 p. (Card 2) (MLBA 8:2)
(Railroads--Signaling) (Railroads--Communication systems)

BARANOV, A.F., redaktor; BIZYUKIN, D.D., redaktor; VAKHIN, M.I., otvetstvennyy redaktor toma, professor, doktor tekhnicheskikh nauk; VEDENISOV, B.N., redaktor; IVLIYEV, I.V., redaktor; MOSCHUK, I.D., redaktor; RUDOI, Ye.F., glavnyy redaktor; SOKOLINSKIY, Ya.I., redaktor; SOLOGUBOV, V.N., redaktor; SHILEVSKIY, V.A., redaktor; ALFEROV, A.A., inzhener; ANASHKIN, B.T., inzhener; APANAS'YEV, Ye.V., laureat Stalinskoy premii, inzhener; BELENKO, K.M., dotsent; BORISOV, D.P., dotsent, kandidat tekhnicheskikh nauk; ZHIL'TSOV, P.N., inzhener; ZBAR, N.R., inzhener; IL'YENKOV, V.I., dotsent, kandidat tekhnicheskikh nauk; KAZAKOV, A.A., kandidat tekhnicheskikh nauk; KRAYZMER, I.P., kandidat tekhnicheskikh nauk; KOTLYARENKO, N.F., dotsent, kandidat tekhnicheskikh nauk; MAYSHEV, P.V., professor, kandidat tekhnicheskikh nauk; MARKOV, M.V., inzhener; NELEPETS, V.S., dotsent, kandidat tekhnicheskikh nauk; NOVIKOV, V.A., dotsent; ORLOV, N.A., inzhener; PETROV, I.I., kandidat tekhnicheskikh nauk; PIVKO, G.M., inzhener; PO-GODIN, A.M., inzhener; RAMIAU, P.N., dotsent, kandidat tekhnicheskikh nauk; ROGINSKIY, V.N., kandidat tekhnicheskikh nauk; RYAZANTSEV, B.S., laureat Stalinskoy premii, dotsent, kandidat tekhnicheskikh nauk; SNARSKIY, A.A., inzhener; FEL'DMAN, A.B., inzhener; SHASTIN, V.A., laureat Stalinskoy premii, inzhener; SHUR, B.I., inzhener; GONCHUKOV, V.I., inzhener, retsensent; NOVIKOV, V.A., dotsent, retsensent; APANAS'YEV, Ye.V., laureat Stalinskoy premii, retsensent;

[Technical handbook for railroad men] Tekhnicheskii spravochnik shelex-nodorozhnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiia, tsentralizatsiia, blokirovka, svias'. Red. kollegiia A.F.Baranov [1 dr.] Glav.red. E.F.Rudoi. Moskva, Gos. transp. shel-dor. izd-vo, 1952. 975 p. (Continued on next card)

MARUSHKO, Fedor Ivanovich, dotsent; VELTISTOV, Petr Konstantinovich,
inzhener; GAMBURG, Ye.Yu., inzhener, redaktor; VERINA, G.P.,
tekhnicheskii redaktor

[Centralized relay code systems] Releino-kodovaya tsentra-
lizatsiia. Moskva, Gos.transp. shol-dor. izd-vo, 1955. 215 p.
(Railroads--Signaling) (MIRA 9:4)

GAMBURG, 46 44

BRYLEYEV, Arkadiy Mikhaylovich; GAMBURG, Ye.Yu., inzhener, redaktor;
VERINA, G.P., tekhnicheskiiy redaktor

[Apparatus for centralized control and block-systems] Apparatura
STsB. Moskva, Gos. transp. shel-dor. izd-vo, 1956. 295 p. (MLRA 9:7)
(Railroads--Signaling)

GAMBUK, V. V.
 ALPEROV, A. A.; ARTEMKIN, A. A.; KASHCHENSKIY, Ye. A.; VINOGRADOV, G. F.; MALAYEV, A. U.;
 GRIGOR YEV, A. N.; D'YACHENKO, P. Ye.; ZALIT, H. N.; ZAKHAROV, P. M.;
 ZOBNIH, N. P.; IVANOV, I. I.; IL'IN, I. P.; KMETIK, P. I.; KUDRYASHOV, A. T.;
 LAFSHIN, F. A.; MOLYARCHUK, V. S.; PERTSOVSKIY, L. M.; FOGODIN, A. M.;
 RUDOV, M. L.; SAVIN, K. D.; SIMONOV, K. S.; SITKOVSKIY, I. P.; SITNIK, M. D.;
 TETEREV, B. K.; TSETYRKIN, I. Ye.; TSUKANOV, P. P.; SHADIKYAN, V. S.;
 ADELUNG, N. N.; retsenzent; APANAS'YEV, Ye. V., retsenzent; VLASOV, V. I.,
 retsenzent; VOROB'YEV, I. Ye., retsenzent; VORONOV, N. M., retsenzent;
 GRITCHENKO, V. A., retsenzent; ZHEREBIN, M. N., retsenzent; IVLIYEV, I. V.,
 retsenzent; KAPORTSEV, N. V., retsenzent; KOCHUROV, P. M., retsenzent;
 KRIVORUCHKO, N. Z., retsenzent; KUCHKO, A. P., retsenzent; LOBANOV, V. V.,
 retsenzent; MOROZOV, A. S., retsenzent; ORLOV, S. P., retsenzent;
 PAVLUSHKOV, E. D., retsenzent; POPOV, A. N., retsenzent; PROKOP'YEV, P. F.,
 retsenzent; RAKOV, V. A., retsenzent; SINEGUBOV, N. I., retsenzent;
 TEREHIN, D. F., retsenzent; TIKHOMIROV, I. G., retsenzent; URBAN, I. V.,
 retsenzent; FIALKOVSKIY, I. A., retsenzent; CHEPYZHEV, B. F., retsenzent;
 SHEBYAKIN, O. S., retsenzent; SHCHERBAKOV, P. D., retsenzent; GARNYK, V. A.,
 redaktor; LOMAGIN, N. A., redaktor; MORDVINKIN, N. A., redaktor;
 NAUMOV, A. N., redaktor; POBEDIN, V. F., redaktor; RYAZANTSEV, B. S.,
 redaktor; TVERSKOY, K. N., redaktor; CHEREVATYY, N. S., redaktor;
 ARSHINOV, I. M., redaktor; BABELYAN, V. B., redaktor; BERNHARD, K. A.,
 redaktor; VERSHINSKIY, S. V., redaktor; GAMBURG, Ye. Yu., redaktor;
 DERIBAS, A. T., redaktor; DOMBROVSKIY, K. I., redaktor; KORNEYEV, A. I.,
 redaktor; MIKHEYEV, A. P., redaktor; MOSKVIN, G. N., redaktor;
 RUBINSHTEYN, S. A., redaktor; TSYPIN, G. S., redaktor; CHERNYAVSKIY, V. Ye.,
 redaktor; CHERNYSHEV, V. I., redaktor; CHERNYSHEV, M. A., redaktor; SHADUR, L. A.,
 redaktor; SHISHKIN, K. A., redaktor.

ALFEROV, A. A.--- (continued) Card 2

(Railroad handbook) Spravochnaia knizhka zheleznodorozhnika, Izd.
3-e, ispr. i dop. Pod obshchei red. V. A. Garnyka. Moskva. Gos.
transp. zhel-dor. izd-vo, 1956, 1103 p. (MLRA 9:10)

1. Nauchno-tekhnicheskoye obshchestvo zheleznodorozhnogo transporta.
(Railroads)

3-20-1956 9:12
LUPAL, Nikolay Vasil'yevich, professor; PERMBOROV, Aleksandr Sergeyevich, dotsent; RATNIKOV, Vladimir Dmitriyevich, inzhener; SEDOV, Viktor Nikolayevich, dotsent; GAMBURG, Ye.Yu., redaktor; RAKITO, E.I., redaktor; KHITROV, P.A., tekhnicheskiiy redaktor

[Automatic control and telemechanics at railroad stations; remote control of switches and signals] Avtomatika i telemekhanika na stantsiakh; teleupravlenie strelkami i signalami. Pod obshchey red. N.V.Lupala. Moskva, Gos.transp.zhel-dor. izd-vo, 1956. 395 p.

(Railroads--Signaling)

(MLRA 9:12)

(Railroads--Switches)

(Remote control)

GAMBURG, Ye.Yu.

Protecting signal cables from mechanical damage. Avtom., telex. i
sviaz' 2 no.10:21 0 '58. (MIRA 11:10)

1. Nachal'nik otдела kapital'nogo stroitel'stva Glavnogo upravleniya
signalizatsii i svyazi Ministerstva putey soobshcheniya.
(Electric cables)

GAMBURG, Ye.Yu., inzh.

Introduce reinforced concrete poles for light signals. Avtom. telemek.
1 svyaz' 2 no.12:24 D '58. (MIRA 11:12)
(Railroads--Signaling)

GAMBURG, Ye.Yu.; KHEBODAROVA, I.V., inzh.

Reorganization of communications on the Krasnoyarsk and
Eastern Siberian Railroads. Avtom.telem.i svyaz' 3 no.10:
16-18 0 '59. (MIRA 13:2)

1. Nachal'nik otдела Glavnogo upravleniya signalizatsii i svyazi
Ministerstva putey soobshcheniya (for Gamburg).
(Siberia, Eastern--Railroads--Telephone)

ZHIL'TSOV, Petr Nikolayevich; KOLYADA, Grigoriy Ivanovich; GAMBURG, Ye.Yu.,
inzh., red.; MARENKOVA, G.I., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Concise manual on signaling, interlocking and block systems] Kratkii
spravochnik po signalizatsii, tsentralizatsii i blokirovke. Moskva,
Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshchenia, 1960.
137 p. (MIRA 14:7)

(Railroads—Signaling)

GAMBURG, Ye. Yu., inzh.

Meeting on the design and use of automatic control and communication
devices. Avtom., telem. i svyaz' 5 no.4:46 Ap '61. (MIRA 14:6)
(Railroads—Signaling)
(Railroads—Electronic equipment)

GAMBURG, Ye.Yu., inzh.

Meeting on the exchange of experience in the construction of semi-
automatic block systems. Avtom., telem.i sviaz' 5 no.7:44 J1
'61. (MIRA 14:10)
(Railroads--Signaling--Block system)

GAMBURG, Ye.Yu., inzh.

Eliminate shortcomings in the organization of new systems. Avtom.,
telem.i sviaz' 7 no.3:17-18 Mr '63. (MIRA 16:2)
(Railroads—Signaling—Centralized traffic control)

YURTSEV, I.I.; GAMBURG, Ye.Yu.

New regulations for receiving and placing in operation new equipment of automatic block systems, electric interlocking, and centralized traffic control systems. Avtom., telem. i sviaz' 7 no.8:16-17
Ag '63. (MIRA 16:9)

1. Nachal'nik tekhnicheskogo otdela Glavnogo upravleniya po elektrifikatsii zheleznykh dorog Ministerstva transportnogo stroitel'stva SSSR (for Yurtsev). 2. Nachal'nik otdela kapital'nogo stroitel'stva Glavnogo upravleniya signalizatsii i svyazi Ministerstva putey soobshcheniya (for Gamburg).
(Railroads—Electric equipment)

GAMBURG, Ye.Yu.

Construction operations should be carried out well and on time. Avtom., telem. i sviaz' 8 no.5:19-20 My '64. (MIRA 17:10)

1. Nachal'nik otdela kapital'nogo stroitel'stva Glavnogo upravleniya signalizatsii i svyazi Ministerstva putay soobshcheniya.

41550
S/076/62/036/010/003/005
B101/B186

1.1780
24.3950
AUTHORS:

Bek, R. Yu., Gamburg, Yu. D., and Kudryavtsev, N. T.

TITLE:

Electrodeposition of bright copper with superposition of a-c on d-c

PERIODICAL: Zhurnal fizicheskoy khimii, v. 36, no. 10, 1962, 2244-2245

TEXT: The effect of a nickel sublayer on the brightness of electrodeposited copper was studied. A bright nickel sublayer was obtained from an electrolyte containing 170 g/l $\text{NiSO}_4 \cdot 7\text{H}_2\text{O}$, 30 g/l H_3BO_3 , 12 g/l KCl, and 6 g/l naphthalene disulfonic acid with a pH of 4 - 6, at a current density given by V. V. Ostroumov and I. P. Plokhonikova (Zh. prikl. khimii, 1520, 1668, 1958). However, copper deposited on it from an electrolyte containing 200 g/l $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ and 100 g/l H_2SO_4 stayed matt even when quinaldine or coumarone had been added to the nickel electrolyte. Polishing of the sublayer was also ineffective. Increase in the current density to 13 - 17 ma/cm^2 at 18°C and to 21 ma/cm^2 at 25°C caused the

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Electrodeposition of bright copper with ...

S/076/62/036/010/003/005

B101/B186

formation on the nickel of a matt, bluish thin coating of Ni oriented along the (011) axis. At an optimum ratio $D_{a-c}/D_{d-c} = 1.10 - 1.15$, very bright copper deposits with a high reflecting power were obtained on such sublayers with a thickness not less than $7 - 8 \mu$. Increase of the ratio to more than 1.2, reduced the brightness and a change in the d-c density from 3 to 10 a/dm^2 had no effect as long as D_{a-c}/D_{d-c} remained unchanged.

An X-ray analysis shows that the bright copper plating obtained by a-c superposition is oriented along the (125) axis and its texture could be characterized in individual cases as quasi-microcrystalline, whereas copper deposited on a non-oriented Ni sublayer has a texture oriented along the (011) axis. This confirms the assumption of Ostroumov and Plokhotnikova that the sublayer structure has an orienting effect on the crystallization of the first copper layer. The authors, however, assume that the orienting effect depends not on cathode passivation, but on other factors, such as a reduced oversaturation with a-c during electrolysis, which means a shift in conditions for the formation of seed crystals toward equilibrium. There are 2 figures.

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S/076/62/036/010/003/005

Electrodeposition of bright copper with...B101/B186

ASSOCIATION: MKhTI im. D. I. Mendeleyeva, Kafedra elektrokhimicheskikh
proizvodstv (MKhTI imeni D. I. Mendelejev, Department of
Electrochemical Productions)

SUBMITTED: February 16, 1962

Card 3/3

~~GAMBURG, Yu. I.~~

Postirradiation perichondritis in patients with cancer of the
larynx; its prevention and treatment [with summary in English].
Vest.oto-rin. 20 no.6:104-109 N-D '58 (MIRA 11:12)

1. Iz oto-rino-laringologicheskogo otdeleniya (zaveduyushchiy
prof. D.I. Zimont) Gosudarstvennogo onkologicheskogo instituta
imeni P.A. Gertsena.

(LARYNGEAL CARTILAGES, eff. of radiations on
postirradiation perichondritis in patients with
cancer of larynx (Rus))

(RADIOTHERAPY, inj. eff.

same (Rus))

GAMBURG, Yu.I., kand.med.nauk

Osteoma of the larynx. Vest. otorin. 25 no.5:93-99 8-0 '63.
(MIRA 17:4)

1. Iz poliklinicheskogo otdeleniya Moskovskogo gorodskogo
onkologicheskogo dispansera.

L 09166-67 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR: AP7002303 SOURCE CODE: UR/0364/66/002/004/0487/0491 38

AUTHOR: Polukarov, Yu. M.; Gamburg, Yu. S.

ORG: Institute of Physical Chemistry, AN SSSR (Institut fizicheskoy khimii AN SSSR);
Moscow Chemical Engineering Institute im. D. I. Mendeleev, Moscow (Moskovskiy
khimiko-tekhnologicheskii institut)

TITLE: Radiographic investigation of crystal lattice defects in electrolytic copper deposits 6 16 27

SOURCE: Elektrokimiya, v. 2, no. 4, 1966, 487-491

TOPIC TAGS: crystal lattice defect, electrodeposition

ABSTRACT: The authors study defects formed in the crystal lattice of copper during electrodeposition from cyanide and acid solutions. It is found that copper deposits from sulfuric and perchloric acid solutions with surface-active additives contain crystal lattice packing defects of the deformation type. The packing defect concentration may reach 1.4%. The highest numbers of packing defects are formed at cathod potentials which correspond to adsorption of the surface-active agents. Orig. art. has: 4 figures and 1 table. [JPRS: 36,171]

SUB CODE: 11, 20 / SUBM DATE: 02Jun65 / ORIG REF: 006 / OTH REF: 010

UDC: 621.357.7

Card 1/1 nst

0925 0574

ACCESSION NR: AT4031809

S/2914/62/000/079/0039/0041

AUTHOR: Gamburger, A. G.; Ustinov, V. S.

TITLE: The use of a log and echo-sounding during navigation in ice

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Informatsionnyy sbornik, no. 79, 1962. Sudovozhdeniye i svyaz' (Navigation and communications), no. 20; 39-41

TOPIC TAGS: depth finder, navigation aid, sonic depth finder, echo sounding, log depth finder, ice navigation, hydrodynamic shock, log receiver

ABSTRACT: The stem-mounted log receiver MGL-25 was shown to be unsuitable for navigation in ice for two reasons: the opening of the dynamic tube gets clogged with ice, which prevents the normal functioning of the device, and the hydrodynamic shock which results from collisions between the stem and the ice, and which can reach values of 16 kg/cm², causes the siphon membranes to rupture. A preventive measure applied during overhaul was to weld a protective shield above the opening of the dynamic tube to keep the ice away. The resultant change in dynamic characteristics was sufficiently small so that it could be compensated for by readjusting the log controls. The final error for velocities of 8-17 knots was 1-1.5%. To protect the siphons, a spring-loaded valve was mounted in

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ACCESSION NR: AT4031809

the upper portions of the dynamic system and adjusted to a maximum pressure of 2.6 kg/cm². During ice navigation, a significant amount of air collects in the static tube. A draining pipe connected to the static tube air collector above the level of the water corrected this condition. It was concluded that the log receiver may be used for ice navigation even though an automatic cleaning system for the dynamic tube is desirable. The membranes of the transducer of the sonic depth finder NEL-5 which are 3mm thick steel were found inadequate to withstand the collision shock with ice. To correct this, the transmission must take place directly through the ship's bottom or the membrane diameter must be decreased to 100-150 mm and its thickness increased to 6-8 mm. The noise impulses which result from collisions between the ice and the ship's body rendered the NEL-5 depth finder completely insensitive to a received signal because the condenser in the plate circuit of the thyatron amplifier was constantly discharged by noise. In 1961, a comparison was made between the NEL-5 and a shallow water depth finder with a transformer coupled amplifier. The sensitivity of the latter was found far superior at depths of 1-50 meters and the saturation by noise was insignificant.

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Card

ACCESSION NR: AT4031809

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota,
Leningrad (Central Naval Scientific Research Institute)

SUBMITTED: 00

DATE ACQ: 05May64

ENCL: 00

SUB CODE: EC NG

NO REF SOV: 000

OTHER: 000

3/3

Card

ОБЩЕСТВО, 1971.

Содержит: 2 экземпляра на 100-112 стр. 1 экз. 1 экз. 1 экз. 1 экз.
Лит. кат. 100-112 стр. 1 экз. 1 экз. (VIR 19:2)

1. Кафедра биологии (зав. - проф. Н. Н. Ковалев) (Саркхан-
ского медицинского института).

AM4016865

BOOK EXPLOITATION

S/

Kondrat'yev, Oleg Konstantinovich; Gamburtsev Azariy Grigor'yevich

Seismic investigations at the littoral part of the Eastern Antarctic Continent
(Seizmicheskiye issledovaniya v pribreshnoy chasti Vostochnoy Antarktidy*)
Moscow, Izd-vo AN SSSR, 63. 0197 p. illus., biblio. 800 copies printed.
At head of title: Akademiya nauk SSSR. Institut fiziki Zemli im. O. YU.
Shmidta.

187 7/1/64

TOPIC TAGS: antarctic, Soviet antarctic expedition, seismology, seismic prospecting, reflected seismic wave, refracted seismic wave, seismic wave interpretation

PURPOSE AND COVERAGE: The book is devoted essentially to the results of work of the second Soviet antarctic expedition, and is aimed at the development of a procedure for seismic investigations of the ice cap and determination of the thickness of the latter, study of the structure and determination of the seismic characteristics of rocks in the ice cover and the foundation of the continent, and clarification of the nature of the registered waves and the study of the physics of their formation and propagation. Most attention is paid to an

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analysis of refracted waves, which have been hitherto less investigated. In addition to an analysis of the experimental data, there is a theoretical investigation of the propagation of waves in a gradient medium and a discussion of methods of interpretation of their characteristics. The first part was written by O. K. Kondrat'yev, while the third part was written by O. K. Kondrat'yev and A. G. Gamburtsev jointly. The authors thank L. I. El'chaninova who performed the main technical work on calculations and arranging the book.

TABLE OF CONTENTS [abridged]:

Introduction - - 3

Part I. General information of the scope of the work, investigation procedure, and character of the data obtained (Basic information on the structure of the medium, procedure, and type of registered waves; experimental conditions, needed for a correct understanding of the problems dealt with in the succeeding parts.) - - 5

Part II. Waves in a gradient medium

(Both theory and practice. Particular attention is paid to longitudinal reflected waves used to obtain data on the structure of the medium. Study and

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... interpretation of these waves makes it possible to get an idea of the nature of all other waves registered in the initial part of the seismogram and the influence of various factors on the wave pattern) - - 29

Part III. Waves connected with the surface of a crystalline foundation
(Nature and singularities of the waves, with particular emphasis on the use of waves of different types to solve different problems in seismic prospecting of the foundation. The surface of the foundation is regarded both as a reflecting and as a refracting interface) - - 138

SUB CODE: AS, SP

SUBMITTED: 20Jul63

NR REF SOV: 079

OTHER: 010

DATE ACQ: 20Dec63

Card 3/3

BUT-

PLANE I BOOK EXPLANATION 807/5394

Abdumiyaz mark 8228. Institut biologicheskoy fiziki.

Isledovaniye rumlth reaktsionnykh organizma na radiatsionnyye vliyaniya (Study of Early Reactions of the Organism to Radiation Effects) Moscow, Izd-vo AN SSSR, 1960. 229 p. Kriata ally inserted. 3,000 copies printed.

Sponsoring Agency: Abdumiyaz mark 8228. Institut biologicheskoy fiziki.

Resp. Ed.: O.M. Frank, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: S.V. Gerasimov, K.M.V. Volkov and Ye.I. Maklami.

PURPOSE: This book is intended for radiobiologists.

CONTENTS: This is a collection of nine articles by different authors on the effects of radiation on life processes. The following are discussed: the relationship between radiation and disturbances in homeostasis; the effect of radiation on the total state of the organism; the effect of radiation on the central nervous system and the effect of radiation on the stability of the erythrocyte level during the first several hours after irradiation; blood albumin changes after irradiation, occurring earlier than believed heretofore by scientists; new and interesting data on tissue breathing and disturbances in the physicochemical properties of erythrocytes. N.M. Kiyatits, Doctor of Biological Sciences, is mentioned. Each article is accompanied by references.

| | |
|---|-----|
| Changements in the Physicochemical Properties of Erythrocytes Under the Effect of Radiation | 85 |
| Albamins Fractions in the Blood Plasma of Animals Exposed to Different Doses of X-Rays | 95 |
| Effect of X-Ray Irradiation on the Gas Balance of the Blood | 115 |
| On Changes in the Oxygen Content of Brain Tissues Under the Effect of Radiation | 125 |
| Characteristics of Physicochemical Changes in the Central Nervous System for Different Periods of Exposure to Radiation | 157 |
| AVAILABILITY: Library of Congress | |
| Card 3/3 | |

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7-89-61

(5)

GAMBURTSEVA, H.G.

(4)
Radiation-Induced Changes of Cell Ultrastructures and of Rhythmic Oxidation Processes

G. M. Frank, A. G. Gamburtseva and A. D. Snejko

It was shown in previous investigations using polarographic methods *in vivo* that the O_2 concentration in animal and plant tissues was not constant but changed rhythmically. One can observe this phenomenon *in vivo* and also in freshly isolated tissue preparations. The rhythm was connected with the utilization of O_2 by living cells. Irradiation induced changes not only of the absolute level of the O_2 tension in tissue but also of the rhythm. New investigation in this field extended our knowledge of the significance of the rhythmic utilization of O_2 .

Changes in the type of periodicity were correlated with particular steps in the chain of oxidizing processes. The same phenomenon was observed with mitochondria. Radiation and pharmacological agents influenced the periodicity. The phenomenon was correlated with damage to the inner mitochondrial membranes. Several hours after irradiation the periodic changes reappeared, indicating repair of mitochondrial ultrastructures. Further comparison of the rhythm of oxidizing processes, of mitochondrial ultrastructure and of submicroscopic mobility

(observed by the interference method) allows us to bring these three processes together and to discuss some new features of the autoregulation of cell processes, their radiation disturbance, and the repair mechanism after irradiation.

Institute of Biophysics, Academy of Sciences, Moscow, USSR

report presented at the 2nd Intl. Congress of Radiation Research,
Harrogate/Yorkshire, Gt. Brit. 5-11 Aug 1962

L 15322-65 Pa-4/Pb-4 AFWL/SSD/AS(mp)-2/AMD/AFTC(b)
ACCESSION NR: AP4042480 S/0217/64/009/004/0508/0515

AUTHOR: Gamburtseva, A. G.; Glagoleva, V. V.; Basurmanova, O. K. B

TITLE: Mitochondrion ultrastructure changes of various tissues under the influence of certain effects

SOURCE: Biofizika, v. 9, no. 4, 1964, 508-515

TOPIC TAGS: cell cytoplasm, mitochondrion, ultrastructure change, rat, white mouse, cricket, functional shift effect, ether, fatigue, flashing light, electron microscope

ABSTRACT: To determine whether the ultrastructure of mitochondria is affected by body functional changes, fatty tissues of young rats under ether, sartorius muscles of fatigued white mice, and eye ganglia of crickets with a light flashing on the retina were investigated and preliminary results are reported. Tissues were fixed in a 1% OsO₄ solution in a veronal-acetate buffer (pH 7.4) at a temperature of approximately 0°C, and the fixing time varied from 1.5 to 4 hrs depending on tissue type. The dehydrated tissues were then covered with a methyl- and butyl-methacrylate mixture (1:4) and polymerized in a thermostat at 45°C. Ultrathin sections were cut with a LKV
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ACCESSION NR: AP4042480

ultratome, stained, and examined with a UEM-100 electron microscope. Three types of mitochondrion ultrastructure changes were found: formation of large vacuoles markedly separated from the rest of the mitochondria, formation of membrane agglomerates, and formation of osmiophil granules. All of these changes were the result of reversible vital functional shifts produced by external factors. Whether all three types of mitochondrion ultrastructure change are different stages of the same process or are specific for each case is difficult to determine at this time. The investigation data confirm literature studies which indicate that mitochondria are the first to react to various chemical, physical, and functional influences by changing their organizational structure. Orig. art. has: 9 figures.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Moscow
(Biological Physics Institute, AN SSSR)

SUBMITTED: 04Apr64 ENCL: 00 SUB CODE: IS

NR REF SOV: 001 OTHER: 010

Card 2/2

REZANOV, I.A.; RASTVOROVA, V.A.; LEONOV, N.N.; Primalni uchastiye:
ANDREY V, S.S.; GAL'PERIN, Ye.I.; DONABEDOV, A.T.; KATS, A.Z.;
KOSMINSKAYA, I.P.; LEONOV, N.N.; MASARSKIY, S.I.; MEDEV, S.V.;
PETRUSHEVSKIY, B.A.; PUCHKOV, S.V.; RASTVOROVA, V.A.;
REZANOV, I.A.; SAVARENSKIY, Ye.F.; KHARIN, D.A.; Red karty:
GAMBURTSEV, G.A.

Establishment of detailed seismic regions as exemplified by
a region of western Turkmenistan. Biul. Sov. po seism. no.8:
131-141 '60. (MIRA 13:10)

1. Institut fiziki Zemli AN SSSR.
(Turkmenistan--Seismology)

V. E. T. S. M. A. N. P. S.
GAMBURTSEV G. A.

L 31816-65 EMT(1)/BWA(h) Feb '68
AM4045250 BOOK EXPLOITATION 3/

Akademiya nauk SSSR. Institut fiziki zemli im. O. Yu. Shmidta

Structure of the earth's crust in the zone of transition from the continent of Asia to the Pacific Ocean (Stroyeniye seanoj kory v oblasti perekhoda ot Aziatskogo kontinenta k Tikhomu Okeanu) Moscow, Izd-vo "Nauka", 1964. 307 p. illus., biblio., foldin charts (in portfolio). Errata slip inserted. 1200 copies printed. Responsible editors: Ye. I. Gal'perin, I. P. Kosminskaya; Editor of the publishing house: S. I. Masarskiy; Technical editors: Ye V. Makuni, S. G. Tikhomirova

TOPIC TAGS: area seismic sounding, earth crust, geophysics, international geophysical year, ocean, seismic wave

PURPOSE AND COVERAGE: This monograph is devoted to studies by the method of deep seismic sounding (GSZ) in the zone of transition from the Asiatic continent to the Pacific Ocean (Kamchatka, the Kurile peninsula, Bering Sea, etc.) during the International Geophysical Year (IGY). The material is presented as a collection of individual chapters, although all are devoted to a single problem and are

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essentially parts of one book. The authors express their gratitude to Professor V. V. Fodymskiy, Chairman of the working subgroup of the Sovetskiy Natsional'nyy Komitet, initiator and organizer of complex geophysical research, and also to Corresponding Member of the Academy of Sciences of the USSR V. V. Belousov. The concluding chapter was prepared by A. G. Aver'yanov, P. S. Veytsman, Ye. I. Gal'perin, S. M. Zverev, and I. P. Kosminskaya.

TABLE OF CONTENTS:

Introduction (G. A. Gamburtsev) - - 3
Ch. 1. Brief information concerning the research methodology and apparatus (Ye. I. Gal'perin) - - 7
Ch. 2. Dividing the region for investigation into zones according to types of seismic material (I. P. Kosminskaya) - - 12
Ch. 3. Special kinematic characteristics of multiple waves connected with deep discontinuities (Ye. I. Gal'perin) - - 21
Ch. 4. Dynamic characteristics of deep waves for certain models of the earth's crust (A. G. Aver'yanov, I. P. Kosminskaya, G. A. Yaroshchinskaya) - - 39

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- Ch. 5. Results of studying a sedimentary stratum in the Sea of Okhotsk and the Kurile-Kamchatka Zone of the Pacific Ocean (S. M. Zverev) - - 90
- Ch. 6. The Magadan-Kolyma continental contour (N. I. Davydova, Ya. P. Shvarts) -
- Ch. 7. The northern and central parts of the Sea of Okhotsk (Sections 9-M - 14-M) (I. P. Kosminskaya, R. M. Krakshina, I. N. Pavlova) - - 117 - 128
- Ch. 8. The southern part of the Sea of Okhotsk (I. N. Pavlova) - - 180
- Ch. 9. The southern and central parts of the Pre-Kurile Zone in the Pacific Ocean (Yu. V. Tulina, V. I. Mironova) - - 199
- Ch. 10. The northeastern part of the Kurile-Kamchatka Zone of the Pacific Ocean (P. S. Veytsman) - - 229
- Ch. 11. Pre-Komandor sections of the Bering Sea and the Pacific Ocean (I. P. Kosminskaya) - - 264
- Ch. 12. General features of the structure of the earth's crust in the transition zone (I. P. Kosminskaya, S. M. Zverev, P. S. Veytsman, Yu. V. Tulina) - - 274
- Conclusions - - 294
- Initial treatment of seismographs (V. I. Mironova) (Appendix) - - 299
- Literature - - 302

Cord 3/43

GAMBURTSEV, V. H.

S

USSR/Human and Animal Morphology. Skeleton.

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69649.

Author : Gamburtsev, V.A.

Inst : Moscow State University.

Title : Position of the Pelvis, Form of the Spinal Column,
and Respiratory Excursions of the Thorax in the
Postnatal Period of Human Growth.

Orig Pub: In the collection: Materialy konferentsii po morfol.
cheloveka. Moscow, MGU, 1956, 34-72.

Abstract: Results are presented on developmental anthropo-
metric studies of 16,767 persons of both sexes
from birth to 25 years of age, carried out by
the author by means of "dynamic somatometry".
A "sliding circle-goniometer" was devised which

Card : 1/3

USSR/Human and Animal Morphology. Skeleton.

S

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69649.

age and of adults engaged in physical labor, athletes (3100 subjects - skiers, swimmers, gymnasts, etc.), circus artists, "contortionists", etc. Because of its abundance, the material admitted of statistical treatment and of interpolation smoothing of curves of age dynamic with respect to all primary indicators and indices. The findings are presented, in addition to graphs, in the form of a number of tables which are suitable as source material for further studies on the influence of positive (sport, therapeutic physical exercise, health resorts, etc.) and negative (incorrect posture, occupational influences, etc.) factors on the growth of the young organism. -- N.A. Dernashteyn.

Card : 3/3

GAMBURTSEV, V.A.

EXCERPTA MEDICA Sec.2 Vol.10/3 Physiology March 57

1266. GAMBURCEV V.A. Dept. of Gen. Biol., Yaroslav Med. Inst. • Dynamics of development of the curvatures of the vertebral column in relation to the position of the pelvis. Determination of the posture of the human body (Russian text) ARKH. ANAT. HISTOLOG. EMBRIOL. 1956, 33/1 (75-80) Illus. 5

Measurement of the spinal curvatures with specially constructed calipers permit evaluation of the static and dynamic functions of the spine in relation to the positions of the pelvis, thoracic cage and shoulder girdle and their mobility. The angles between perpendicular and the axes of the following structures were measured: sacrum (α), lumbo-lower dorsal segment (β), upper dorsal segment (γ) and the plane of inclination of the pelvis (x_1). The following combined angles are defined: sacro-pelvic ($\gamma = x_1 + \alpha$), index of lumbar lordosis ($\alpha + \beta$); angle of lumbar lordosis = $180 - (\alpha + \beta)$; the static index of the body $\Phi = x_1 + 2(\alpha + \beta)$ shows the relative position of the lumbosacral curve and the pelvis. Statistical evaluation of the results of measurements on 17,000 persons shows that the spines of infants and pre-schoolchildren present little in the way of spinal curvatures and that the posture of the body as a whole is nearly vertical. The change in the position of the pelvis towards more horizontal takes place very actively until 16 years of age. After that age in the male the angle of inclination of the pelvis goes on increasing and the lumbar part of lumbar lordosis develops. In the female the angle of inclination of the pelvis diminishes and the sacral part of lumbo-sacral lordosis develops. The dorsal kyphosis is more pronounced in the male than in the female. The changes in the indices of the spinal curvatures during growth of the individual progress according to a law, and can be expressed graphically by parabolae of the 2nd, 3rd and 4th orders. Tables permit evaluation of the effects of prophylactic and therapeutic measures and of the departure from normal of the spinal curvatures and posture. References 7.

Fedial - Leningrad (1, 2, 9)

GAMBURTSEV, V. A., prof.

Goniometric investigations in patients with diseases and injuries of organs of the motor apparatus. Khirurgia, Sofia 14 no.1:9-23 '61.

1. Meditsinski institut, Astrakhan (SSSR).

(MOVEMENT)

GAMETURTSYEV, V. A.

"Primeneniye dinamicheskoy somatometrii v profilakticheskoy i klinicheskoy meditsinye."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

GAMBURTSEVA, A., LAZAREV, P. P. and SHAFOSHINKOV, B., ABRIKOSOV, S.

"The Effect of the Illumination of the Human Skin on the Adaptation of
Peripheral Vision", Dokl AN SSSR, Vol. 2, No. 1/2, 1934.

GAMBURTSEVA, A.G.; GLAGOLEVA, V.V.; BASURMANOVA, O.K.

Changes in the ultrastructure of mitochondria from various
tissues under the influence of some agents. Biofizika 9
no.4:508-514 '64. (MIRA 18:3)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

GAMBURTSEV, L.V., otvetstvennyy za vypusk; BOBROVA, Ye. N.,
tekhnicheskiiy redaktor

[Instructions on current repair, handling and maintenance of
electric railroad section] Pravila tekushchego remonta, ukhoda i
soderzhaniiia elektrosektaii. Moskva, Gos. transp. zhel-dor. izd-vo,
1957. 537 p. (MIRA 10-4)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo
khozyaystva.
(Electric railroads)

G. GAMBURTSEVA
GAMBURTSEVA, L.V., inzh., red.; SHIRYAYEV, A.P., inzh., red.; BOBROVA, Ye.N.,
tekhn.red.

[Experience in maintaining and repairing electric sections] Opyt
soderzhanii i remonta elektrosektsii. Moskva, Gos.transp.zhel.-
dor. izd-vo, 1958. 55 p. (MIRA 11:2)
(Electric railroads--Maintenance and repair)

PETROV, Viktor Nikolayevich; SHEVCHENKO, Vladimir Trofimovich; GAMBURTSEVA,
L.V., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Operation and repair of ERL electric trains] Opyt ekspluatatsii
i remonta elektropoezdov ERL. Moskva, Vses.izdatel'sko-poligr.ob-
yedinenie M-va putei soobshcheniya, 1960. 60 p. (MIRA 13:9)
(Electric railroads)

GAMBURTSEVA, L.V., otv. za vypusk; BOBROVA, Ye.N., tekhn.red.

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Abs Jour: Ref Zhur - Biol., No 1, 1959, 2857

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Inst : ~~Not given~~

Title : Studies of Sporm Changes in Rams in Infectious Epididymitis

Orig Pub: Veterin. casop, 1957, 6, No 3, 238-246

Abstract: No abstract

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N.A.; SAMOYLOV, I.D.; ZAYTSEV, V.V.; KOLOMATSKIY, V.D.

Efficient lubrication for the rolling of thin sheet iron.
Metallurg 6 no.8:22-24 Ag '61. (MIRA 14:8)

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A054/A127

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AUTHORS: Trishevskiy, I. S., Candidate of Technical Sciences, Soroko, L. N.,
Klepanda, V. V., Naydenov, A. A., Skokov, F. I., Gamershteyn, V. A.,
Kaluzhskiy, V. B., Engineers

TITLE: Grooving of rolls for the shaping of corrugated sheets

PERIODICAL: Stal', no. 9, 1961, 817 - 824

TEXT: According to the authors the best way of producing corrugated sheets is rolling them from sheet metal on shaping mills instead of producing them by stamping. The groove designs of the rolls for this process were made to suit the pilot industrial-scale shaping mill of the Ukrainskiy institut metallo (Ukrainian Institute of Metals). The tests were carried out with 08Kp (08kp) steel on 15 stands (scale 1:1). To ensure strip stability and a good quality corrugation, the design provides for the successive profiling of sectors, starting from the central rib towards strip edges. The ribs are shaped by the work rolls; before the first and second stand vertical auxiliary rolls are used as guides. One of the features of the new grooving system is the application of varying radii with a constant distance between the bending arc centers. The shaping radii are determined in such

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Grooving of rolls for the shaping of corrugated sheets AG54/A127

a way that the length of the corrugations of the upper and lower roundings remains constant, whereas the dimensions of the transient shapes of the profile are determined in such a way that the perimeter of the ribs being formed remains constant in all passes. To support the peripheral sectors of the strip being shaped and to enable the metal to be displaced freely to the bending spot backing disks are used whose distance from the roll axis depends on the shape corrugation of the corresponding profile sections. This made it possible not to overlap the whole profile by the rolls to shorten the roll barrel. The rolls are assembled from horizontal parts on both ends. They are easily mounted and the gaps between the rolls can be adjusted accurately. When rolling corrugated sheets with this type of grooved rolls the height of the section deviated from the standard value (32 mm) by 0.6 - 1.0 mm, the corrugations varied between 1.7 - 2.5 mm in length and between 2.25 and 2.8 mm in width; the angle of inclination of the lateral external edges of the outer ribs varied between 69 - 70° instead of the required 72°30'. Moreover the sheet thickness was not uniform over its entire length and width; the sheet thickness at the bonding spots is smaller at the front edge of the sheet than at the rear end. The relative thinning at the front end of the strip is 4.6% greater than at the rear. Based on the test results, the first batch of corrugated sheets was rolled on an 18 stand mill - (-4) x (400-1,500) -

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Grooving of rolls for the shaping of corrugated sheets

of the "Zaporozhstal'" Plant under the following conditions: I - feeding stand with cylindrical rolls; II-VII - stands; shaping the central rib with bending angles of 12° - 28° - 46° - 62° - $72^{\circ}30'$ - $72^{\circ}30'$; VIII-XI - stands; shaping the internal lateral edges of the small outer ribs with bending angles of 18° - 40° - 60° - $72^{\circ}30'$; XII-XV - stands; shaping the lateral edges of the small outer ribs with bending angles of 18° - 40° - 60° - 73° ; XVI-XVII - stands; shaping the longitudinal nick with bending angles of 35° - 71° ; XVIII - stand; doubling stand XVII. The authors conclude by stating that the grooving of shaping mill rolls for the production of corrugated sheets, based on a constant distance between the bending arc centers and on a variable magnitude of radii makes it possible to obtain shapes without cracks in the bending spots and without surface defects. There are 4 figures.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy institut metallov (Ukrainian Scientific Research Institute of Metals) and "Zaporozhstal'" Plant

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